

Series T61

Tension load cell for industrial weighing

capacities 50kg to 2,000kg



High quality steel load sensor

Industry standard configuration

Fully potted and sealed to IP67

3 year warranty

Corrosion resistant

Suitable for use in tension, compression or bi-directional manner

Simple low cost installation

Optional proof tested eyebolts or rod end bearings

This folded bending beam load cell is manufactured from high quality tool steel, and fully sealed to IP66.

Although normally utilised in tension, given the suitable adaptors and the appropriate application, it is possible to use the cell in compression or even in a bi-directional manner.

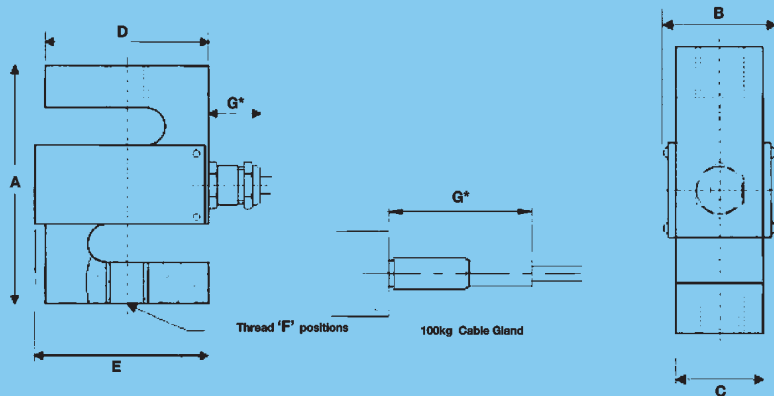
The cell is typically used in tank and vessel weighing, bag filling machines and conveyors.

technical specification sheet

Series T61

	Load Cell Capacities	Units
Standard Load Ranges	50,100, 250, 500, 1000, 1500, 2000	kg
Rated Output	3	mV/V±0.25%
Combined Error	<±0.035	%*
Non-repeatability	<±0.015	%*
Creep (30 minutes)	<±0.03	%*
Temperature Effect on Zero Balance	<±0.0025	%*/°C
Temperature Effect on Span	<±0.005	%*/°C
Compensated Temperature Range	-10 to +40	°C
Operating Temperature Range	-40 to +80	°C
Safe Overload	150	%*
Ultimate Overload	300	%*
Zero Balance	< ± 1	%*
Input Resistance	380	Ω ± 30
Output Resistance	350	Ω ± 1.5
Insulation Resistance	>5000	MΩ @ 100v
Recommended Supply Voltage	10	V
Maximum Supply Voltage	15	V
Environmental Protection	IP67	-

All percentages are related to Full Rated Load



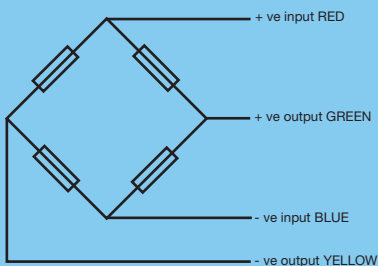
Capacity (kg)	A	B	C	D	E	F	G
50-100	75	20	17	50	53	M10 x 1.5	60
250-500	75	27	19	50	53	M12 x 1.75	20
1000-2000	75	33	25	50	53	M12 x 1.75	20

All dimensions in mm.

Electrical Connections

Via 4 core, 4m, 4mm dia., screened polyurethane cable.

Screen not connected electrically to load cell.



Shipping Weights: (kg)

50-100 = 0.5kg, 250-500 = 0.5kg
1000-2000 = 0.75kg

Construction

High quality tool steel and nickel plated over copper

Options

Spherical rod end bearings.
Adaptors for compression/bi-directional use.

Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.

Distributed by



Thames Side Sensors Ltd

Unit 10, io Trade Centre, Deacon Way,
Reading, Berkshire RG30 6AZ
tel: +44 (0) 118 941 1387 fax: +44 (0) 118 941 2004
e-mail: sales@thames-side.co.uk
web: www.thames-side.com